<u>CLAIMS</u>

What is claimed is:

1   1.   A computer implemented method of building at least one data display comprises:

2   defining for each data display at least one of

3   an information presence on the display, and

4   an information placement on the display;

5   defining a data-base entity having each of the user defined information placement,

6   and information presence; and

7   generating a display template for any of the data displays depending upon the data

8   display and the record.

1   2.   The method defined in claim 1 wherein the defining of an information presence is

2   conditional based upon at least one of a display identification and a display mode.

1   3.   The method defined in claim 1 wherein the defining of an information placement is

2   conditional based upon a style.

1

1   4.   The method defined in claim 1 wherein the data-base entity includes at least one of a

2   conditional display appearance and a conditional placement data.

1   5.   The method defined in claim 1 wherein the data-base entity further includes at least

2   one display tag to be conditionally executed if a display terminal browser requesting a data

3   display has a capability to support the display tag; and the generating further includes

4   generating only each display that is supported by the display terminal browser.

1   6.   The method defined in claim 1 further includes displaying a data display from the

2   display template.

1

1   7.   The method defined in claim 1 wherein the defining for each data display includes a

2   user doing the defining through a computer interface.

1   8.   The method defined in claim 1 wherein the defining for each data display includes a

2   user doing the defining through a display interface.

1   9.   The method defined in claim 1 wherein the defining for each data display includes a

2   user doing the defining through an interactive display layout.

1   10.   The method defined in claim 1 wherein the defining an information presence

2   includes at least one of defining a presence for all data displays, and a logical combination of

3   at least one of a specific data display and not a specific data display.

1   11.   The method defined in claim 1 wherein the defining an information placement

2   includes at least one of defining a placement for all data displays, and a logical combination

3   of at least one of a specific data display and not a specific data display.

1 12.   The method defined in claim 1 wherein the defining an information placement

2 includes modifying the placement of an information on an at least one specified data display.

1 13.   The method defined in claim 1 wherein the information display placement includes

2 defining a placement for at least one placement style.

1 14.   The method defined in claim 1 wherein the defining an information appearance

2 includes selecting an information to appear and not appear according to at least one mode.

1 15.   The method defined in claim 1 wherein the data-base entity includes a record for each

2 of at least one markup/display languages.

1 16.   The method defined in claim 1 wherein the data-base entity includes a record that has

2 data that indicates the data displays that the information appears on.

1 17.   The method defined in claim 1 wherein the data-base entity includes a pointer to a

2 record that has data that indicates the modes for which each of the data will appear on a data

3 display.

1 18.   The method defined in claim 1 wherein the data-base entity includes a record that

2 indicates a position of each data for each data display.

1   19.   The method defined in claim 1 wherein the data-base entity includes one of

2   markup/display language statements and position tags

1   20.   The method defined in claim 19 wherein the data-base entity includes tags that have a

2   position indicator, and a record that indicates the information displayed in each position.

1   21.   The method defined in claim 20 wherein the data-base entity further includes at least

2   one of

3   an at least one mode for which each of the data will appear on the data display,

4   the data displays that each information appears on, and

5   a position that an information appears in a specific style.

1   22.   A computer system of a type having a memory and a program encoded in the memory

2   to operate on the computer system, the program comprising:

3   display appearance input instructions to input into a multi-display database an

4   identification of information that is each to appear on at least one of a plurality of distinct

5   data displays;

6   display placement input instructions to input into the multi-display database a

7   placement data of each of the information on each data display in which the data appears;

8   database maintenance instructions to implement and maintain the database depending

9   upon the inputs from the display appearance input instructions and the display placement

10   input instructions; and

11   display template generation instructions to generate a display template from the

12   database depending upon any of the data displays.

1   23.   The computer system defined in claim 22 wherein the program includes:

2   instructions to generate an input interactive display for inputting by a user of an

3   identification of information to appear on the plurality of distinct data displays and a

4   placement of the information to appear on the data displays;

5   wherein the display appearance input instructions input the information to appear on

6   the plurality of data displays to the database, and the display placement instructions input the

7   placement of the information to the database.

1

1   24.   The computer system defined in claim 23 wherein the interactive display is sent to a

2   network-coupled computer system.

1   25.   The computer system defined in claim 22 wherein the program includes:

2   a user information appearance instructions for the memory to receive from a user the

3   identification of information that is each to appear on the at least one data displays, and

4   the display appearance input instructions are to receive the identification of

5   information from the memory.

1   26.   The computer system defined in claim 22 wherein the program includes:

2   user information placement instructions for the memory to receive from a user the

3   placement of each of the information of the information that is to appear on the data displays,

4   and

5   the display placement input instructions are to receive the placement data from the

6   memory.

1   27.   The computer system defined in claim 22 wherein the defining of an information

2   placement is contingent upon a style that is user input.

1   28.   The computer system defined in claim 22 wherein the defining of an information

2   appearance is contingent upon each data display that is user input.

1   29.   The computer system defined in claim 22 wherein the defining of an information

2   appearance is contingent upon a display mode of each information that is user input.

1   30.   The computer system defined in claim 22 wherein the multi-display database includes

2   a common template for each data display that has a contingent display capability for at least

3   one of the information, and a contingent placement capability for at least one of the

4   information.

1   31.   The computer system defined in claim 22 wherein the database maintenance

2   instructions include instructions to implement and maintain the database to have contingent

3   appearance information and to have contingent placement information.

1 . 32. The computer system defined in claim 31 wherein the contingent appearance data

2 depends upon a display mode and a display identification.

1 33. The computer system defined in claim 31 wherein the contingent placement data

2 depends upon a style identification.

1 34. The computer system defined in claim 22 wherein the maintenance instructions

2 include instructions to implement and maintain more than one record, each record having

3 markup/display instructions in a separate language and wherein the display template

4 generation instructions are to generate a display template having one of the markup/display

5 languages according to a user generated selection.

1 35. The computer system defined in claim 22 wherein the database includes at least one

2 display tag to be conditionally executed if a display terminal browser requesting a data

3 display has a capability to support the display tag; and the display template generation

4 instructions further include instructions to generate each data display from the database based

5 upon the capability of a user selected browser by conditionally executing the display tag

6 based upon the user selected browser.

1 36. The computer system defined in claim 22 wherein the program further includes

2 instruction to send the display template to a network.

1   37.   A machine-readable medium that provides instructions, which when executed by a

2   processor, cause the processor to perform operations comprising:

3   inputting into a multi-display database an identification of information that is each to

4   appear on at least one of a plurality of distinct data displays;

5   inputting into the multi-display database a placement data of each of the information

6   on each display in which the data appears;

7   implementing and maintaining the information in the database depending upon the

8   inputs from the display appearance input instructions and the display placement input

9   instructions; and

10   generating a display template from the database depending upon any of the data

11   displays.

1   38.   The medium defined in claim 37 wherein the operations include:

2   generating an input interactive display for inputting by a user of an identification of

3   information to appear on the plurality of distinct data displays and a placement of the

4   information to appear on the data displays;

5   wherein the display appearance input instructions input the information to appear on

6   the plurality of data displays to the database, and the display placement instructions input the

7   placement of the information to the database.

1   39.   The medium defined in claim 38 wherein the operation include sending the

2   interactive display to a network-coupled computer system.

1   40.   The medium defined in claim 37 wherein the operations include receiving from an

2   interface the identification of information that is each to appear on the at least one data

3   displays.

1   41.   The medium defined in claim 37 wherein the operations include receiving from an

2   interface the placement of each of the information of the information that is to appear on the

3   data displays.

1   42.   The medium defined in claim 37 wherein the inputting a placement of data is based

2   upon a style that is user input.

1   43.   The medium defined in claim 37 wherein the inputting an identification of

2   information that is each to appear is based upon each data display that is user input.

1   44.   The medium defined in claim 37 wherein the inputting an identification of

2   information to appear is based upon a display mode of each information that is user input.

1   45.   The medium defined in claim 37 wherein the operations include generating a

2   common template for each data display that has a contingent display capability for at least

3   one of the information, and a contingent placement capability for at least one of the

4   information.

1   46.   The medium defined in claim 37 wherein the instructions for implementing and

2   maintaining the database generate contingent appearance information and t contingent

3   placement information in the database.

1   47.   The medium defined in claim 46 wherein the contingent appearance data is based

2   upon a display mode and a display identification.

1   48.   The medium defined in claim 46 wherein the contingent placement data is based upon

2   a style identification.

1   49.   The medium defined in claim 37 wherein the operation of implementing and

2   maintaining the database include implementing and maintaining more than one record, each

3   record having markup/display instructions in a separate language and wherein the display

4   template generation instructions are to generate a display template having one of the

5   markup/display languages according to a user generated selection.

1   50.   The medium defined in claim 37 wherein the database includes at least one display

2   tag to be conditionally executed if a display terminal browser requesting a data display has a

3   capability to support the display tag; and the generating a display template operations further

4   include operations generating each data display from the database based upon the capability

5   of a user selected browser by conditionally executing the display tag based upon the user

6   selected browser.

1 51. The computer system defined in claim 37 wherein the operations further include

2 sending the display template to a network-coupled computer..